

ABSTRACT OF THE DISCLOSURE

A process for producing a tetrafluoroethylene polymer, which comprises polymerizing tetrafluoroethylene in an aqueous medium in the presence of a dispersant, a  
5 stabilizer and a polymerization initiator, wherein the polymerization initiator is a redox polymerization initiator comprising a halogen acid salt  $YXO_3$ /a sulfite  $Z_2SO_3$ , wherein X is a chlorine atom, a bromine atom or an iodine atom, Y is a hydrogen atom, ammonium, an alkali  
10 metal or an alkaline earth metal, and Z is ammonium, an alkali metal or an alkaline earth metal. By this process, it is possible to obtain a tetrafluoroethylene polymer which is suitable for a stretching operation after paste extrusion.